

[A THERMOSETTING POLYURETHANE MATERIAL FOR A GOLF BALL COVER(Corporate Docket Number PU2124)]

Abstract

A curative blend for a thermosetting polyurethane material that allows for a polyurethane material with greater durability is disclosed herein. The curative blend is composed of 4,4'-methylenebis-(2,6-diethyl)-aniline and a second curing agent selected from the group consisting of N,N'-bis-alkyl-p-phenylenediamine, N,N'-dialkylamino-diphenylmethane with tetrapropoxylated ethylenediamine and an aliphatic diamine. A preferred polyurethane prepolymer is polytetramethylene ether glycol terminated toluene diisocyanate prepolymer. The thermosetting polyurethane is preferably utilized as a cover for a golf ball. The cover is preferably formed over a core and boundary layer.